

Title (en)  
SYSTEM AND NON-INVASIVE SELF-CLEANING METHOD ALLOWING CONTINUOUS REMOVAL OF SOLID WASTE IN FARMING PONDS FOR AQUACULTURE

Title (de)  
SYSTEM UND NICHT-INVASIVES SELBSTREINIGUNGSVERFAHREN, DAS DIE KONTINUIERLICHE ENTFERNUNG FESTER ABFÄLLE IN ZUCHTTEICHEN FÜR AQUAKULTUREN ERMÖGLICHT

Title (fr)  
SYSTÈME ET PROCÉDÉ NON INVASIF DE NETTOYAGE AUTOMATIQUE QUI PERMET L'EXTRACTION CONTINUE DE RÉSIDUS SOLIDES DANS DES BASSINS D'ÉLEVAGE AQUACOLE

Publication  
**EP 4074175 A4 20230906 (EN)**

Application  
**EP 19955534 A 20191212**

Priority  
IB 2019060712 W 20191212

Abstract (en)  
[origin: EP4074175A1] A self-cleaning system and method are disclosed, allowing the continuous removal of solid waste in culture ponds through the generation of a vortex for the concentration and suction of waste through the rotating motion of the body of water with different rotational velocities. The present system and method is used in aquaculture without the need to modify existing ponds, and allows self-cleaning in culture ponds even when the aspect ratio (D/h) between pond diameter (D) and useful water height (h) is less than that required to reach the fluid-dynamic conditions that allow to generate a conventional self-cleaning effect, and that allows self-cleaning in the culture ponds even when the speed of the water required for the safe and healthy cultivation of the culture species is less than the speed required to reach the fluid-dynamic conditions that allow to generate a conventional self-cleaning effect.

IPC 8 full level  
**A01K 61/00** (2017.01); **A01K 63/00** (2017.01)

CPC (source: EP)  
**A01K 63/00** (2013.01); **A01K 63/04** (2013.01); **Y02W 10/10** (2015.05)

Citation (search report)

- [A] CN 107996488 A 20180508 - SHENZHEN RUNFENG INVEST CONSULTING CO LTD
- [A] CN 204047624 U 20141231 - ANHUI HUAYI AGR LIVESTOCK TECHNOLOGY CO LTD
- [A] US 6497819 B1 20021224 - BABA KEI [JP], et al
- See also references of WO 2021116737A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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